

AMENDMENTS TO THE SPECIFICATION:

Replace the paragraph beginning at page 4, line 6 to page 5, line 3, with the following rewritten paragraph.

-- In accordance with the present invention there is provided a method for controlling a pump station that comprises at least two pumps, each of the at least two pumps being arranged to transfer liquid from or into a tank and being controlled by an electric drive comprising a frequency converter. The method according to the invention comprises:

- measuring a liquid surface level in the tank by means of a sensor,
- controlling activation of each of the at least two pumps on the basis of the measured liquid surface level,
- selecting a first value of the liquid surface level,
- selecting as a first value of pump rotation speed substantially a value at which amount of transferred liquid relative to consumed energy is at maximum,
- detecting a first moment when the liquid surface level reaches said first value of the liquid surface level from a predetermined direction,
- controlling, as a consequence of the detection of the first moment, the pump rotation speed of one of said at least two pumps to said first value of the pump rotation speed,

- running the one of said at least two pumps at the first value of the pump rotation speed in order to move the liquid surface level in a direction opposite to the predetermined direction,
- detecting a second moment when the liquid surface level reaches, from the direction opposite to the predetermined direction, [[a]] another value of the liquid surface level that is later in the direction opposite to the predetermined direction than the first value of the liquid surface level, and
- controlling, as a consequence of the detection of the second moment, the one of said at least two pumps to be stopped so as to keep the surface level between the said first value and the other value of the liquid surface level, the change of amount of liquid in the tank when the surface level changes between said first value and the other value of the liquid surface level being smaller than the whole volume of the tank,

wherein said at least two pumps are controlled at the pump station in such a way that said at least two pumps are alternately in such operating turns in which the pump rotation speed is said first value of the pump rotation speed and monitoring of the liquid surface level and the controlling of

the pump rotation speeds are performed in the frequency converter. --

Replace the paragraph beginning at page 5, line 5 to page 6, line 2, with the following rewritten paragraph.

-- In accordance with the present invention there is provided also a frequency converter for a pump station comprising a liquid tank, at least two pumps and electric drives for actuating the at least two pumps. The frequency converter according to the invention comprises:

- means for storing a first value of liquid surface level,
- means storing a first value of pump rotation speed, the first value of the pump rotation speed being substantially a value at which amount of transferred liquid relative to consumed energy is at maximum,
- means for measuring the liquid surface level on the basis of a signal received from a sensor,
- means for detecting a first moment the liquid surface level reaches said first value of the liquid surface level from a predetermined direction,
- means for controlling the pump rotation speed of one of the at least two pumps to said first value of the pump rotation speed as a consequence of said detection of the first moment,

- means for running the one of said at least two pumps at the first value of the pump rotation speed in order to move the liquid surface level in a direction opposite to the predetermined direction,
- means for detecting a second moment when the liquid surface level reaches, from the direction opposite to the predetermined direction, [[a]] another value of the liquid surface level that is later in the direction opposite to the predetermined direction than the first value of the liquid surface level, and
- means for controlling, as a consequence of the detection of the second moment, the one of said at least two pumps to be stopped so as to keep the surface level between the said first value and the other value of the liquid surface level, the change of amount of liquid in the tank when the surface level changes between said first value and the other value of the liquid surface level being smaller than the whole volume of the tank, and
- means for controlling the at least two pumps in such a way that said at least two pumps are alternately in such operating turns in which the pump rotation speed is said first value of the pump rotation speed, wherein the means for controlling comprises means for transmitting control data to one or more other

frequency converters of the pump station for controlling the operating turns of the at least two pumps. --